

=> d his

(FILE 'HOME' ENTERED AT 15:17:02 ON 09 FEB 2007)

FILE 'REGISTRY' ENTERED AT 15:17:11 ON 09 FEB 2007

L1 STRUCTURE UPLOADED

L2 0 S L1

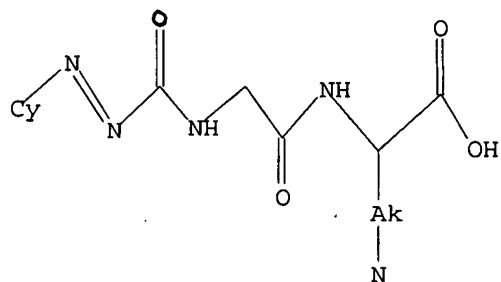
L3 9 S L1 FULL

FILE 'CAPLUS' ENTERED AT 15:17:43 ON 09 FEB 2007

L4 1 S L3

=> d que l4 stat

L1 STR



Structure attributes must be viewed using STN Express query preparation.

L3 9 SEA FILE=REGISTRY SSS FUL L1

L4 1 SEA FILE=CAPLUS ABB=ON PLU=ON L3

=> d bib abs hitstr

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 2003:42291 CAPLUS
 DN 138:85590
 TI Arazoformyl dipeptide chromogenic substrates and their use in
 determination of carboxypeptidase
 IN Quentin, Gerard
 PA Societe Diagnostica-Stago, Fr.
 SO PCT Int. Appl., 100 pp.
 CODEN: PIXXD2
 DT Patent
 LA French
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003004516	A1	20030116	WO 2002-FR2376	20020705
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	FR 2826962	A1	20030110	FR 2001-9030	20010706
	FR 2826962	B1	20031031		
	CA 2450194	A1	20030116	CA 2002-2450194	20020705
	EP 1406920	A1	20040414	EP 2002-762539	20020705
	EP 1406920	B1	20061115		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
	BR 2002010809	A	20040622	BR 2002-10809	20020705
	CN 1524087	A	20040825	CN 2002-813642	20020705
	HU 200400920	A2	20040928	HU 2004-920	20020705
	JP 2004533489	T	20041104	JP 2003-510682	20020705
	TW 252234	B	20060401	TW 2002-91114987	20020705
	AT 345351	T	20061215	AT 2002-762539	20020705
	US 2005107305	A1	20050519	US 2004-751601	20040105
PRAI	FR 2001-9030	A	20010706		
	WO 2002-FR2376	W	20020705		

OS MARPAT 138:85590

AB The invention relates to chromogenic compds. and the use thereof for the determination of enzymes of the family of carboxypeptidases N and carboxypeptidases U. The chromogenic compound is an arazoformyl dipeptide A-N:N-CO-AA1-AA2-OH (A = (Me, iPr, MeO, Cl, CF₃, OCF₃, SCH₃ mono- or disubstituted)phenyl, 4-pyridyl, 2-pyrimidyl, quinolinyl, etc.; AA1 = amino acid recognized by carboxypeptidase A; AA2 = basic amino acid). The carboxypeptidase U or N cleaves the peptide bond between AA1 and AA2. Carboxypeptidase A, added to the sample, cleaves AA1 from the arazoformyl moiety which is subsequently converted to an aryl compound, N₂ and CO₂. So, carboxypeptidase U or N cleavage results in loss of color. Thus, the synthesis of N-(4-methoxyphenylazoformyl)-L-phenylalanylarginine is described. This compound is used in determination of TAFI (thrombin activatable fibrinolysis inhibitor) in blood.

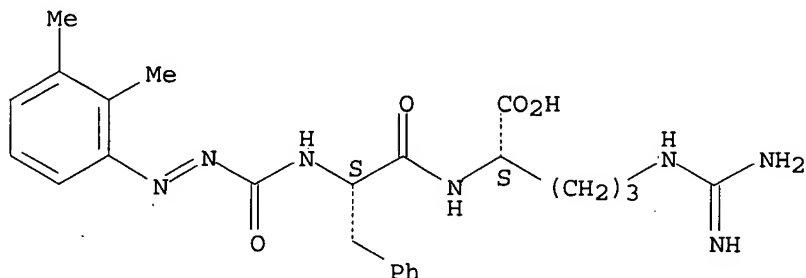
IT 485322-20-1P 485322-21-2P 485322-22-3P
 485322-23-4P 485322-24-5P 485322-25-6P
 485322-26-7P 485322-27-8P 485322-28-9P

RL: ARG (Analytical reagent use); SPN (Synthetic preparation); ANST (Analytical study); PREP (Preparation); USES (Uses)

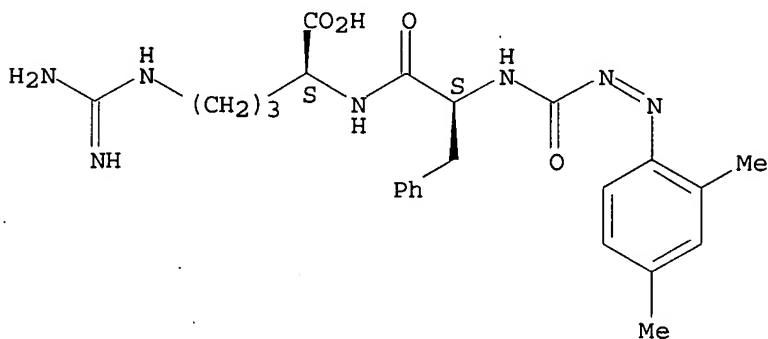
(arazoformyl dipeptide chromogenic substrates and their use in determination of

carboxypeptidase)

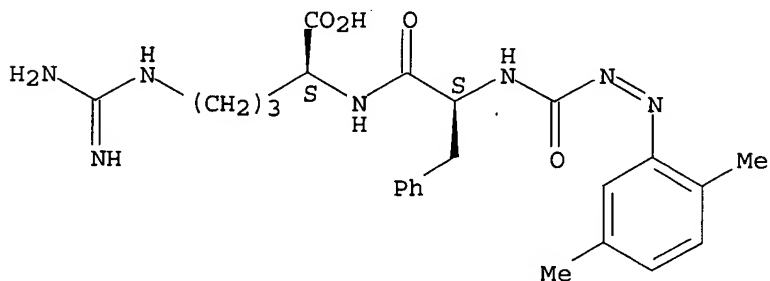
RN 485322-20-1 CAPLUS

CN L-Arginine, N-[[[(2,3-dimethylphenyl)azo]carbonyl]-L-phenylalanyl- (9CI)
(CA INDEX NAME)Absolute stereochemistry.
Double bond geometry unknown.

RN 485322-21-2 CAPLUS

CN L-Arginine, N-[[[(2,4-dimethylphenyl)azo]carbonyl]-L-phenylalanyl- (9CI)
(CA INDEX NAME)Absolute stereochemistry.
Double bond geometry unknown.

RN 485322-22-3 CAPLUS

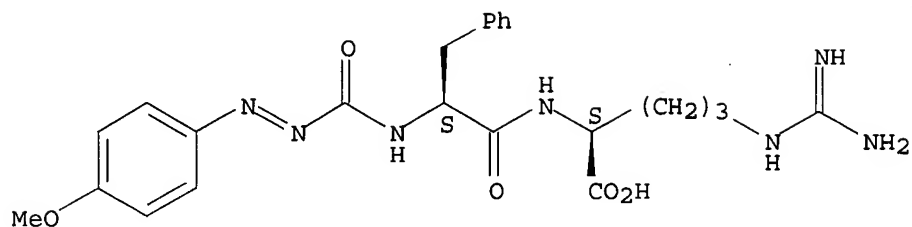
CN L-Arginine, N-[[[(2,5-dimethylphenyl)azo]carbonyl]-L-phenylalanyl- (9CI)
(CA INDEX NAME)Absolute stereochemistry.
Double bond geometry unknown.

RN 485322-23-4 CAPLUS

CN L-Arginine, N-[[[(4-methoxyphenyl)azo]carbonyl]-L-phenylalanyl- (9CI) (CA

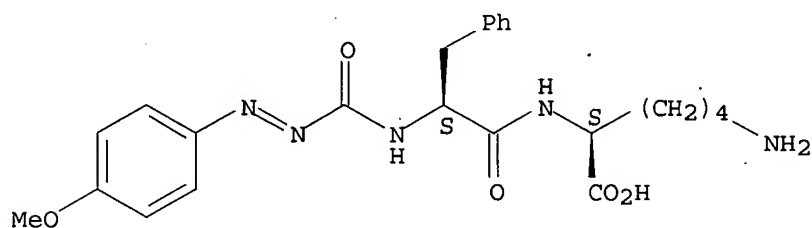
INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.



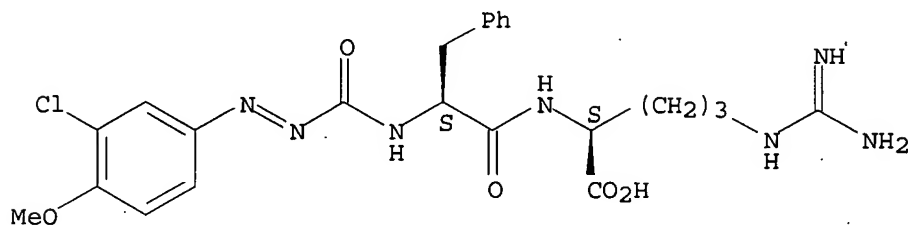
RN 485322-24-5 CAPLUS
CN L-Lysine, N-[[[(4-methoxyphenyl)azo]carbonyl]-L-phenylalanyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.



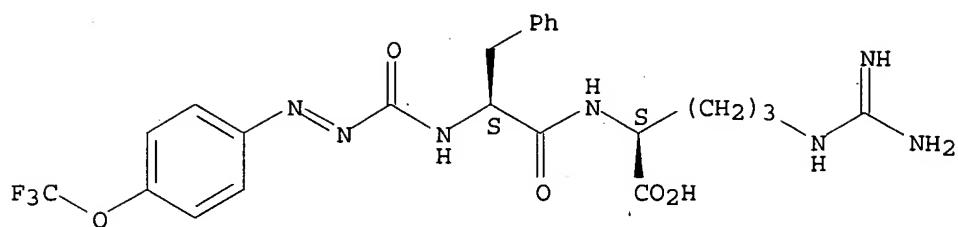
RN 485322-25-6 CAPLUS
CN L-Arginine, N-[[[(3-chloro-4-methoxyphenyl)azo]carbonyl]-L-phenylalanyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.



RN 485322-26-7 CAPLUS
CN L-Arginine, N-[[[4-(trifluoromethoxy)phenyl]azo]carbonyl]-L-phenylalanyl]- (9CI) (CA INDEX NAME)

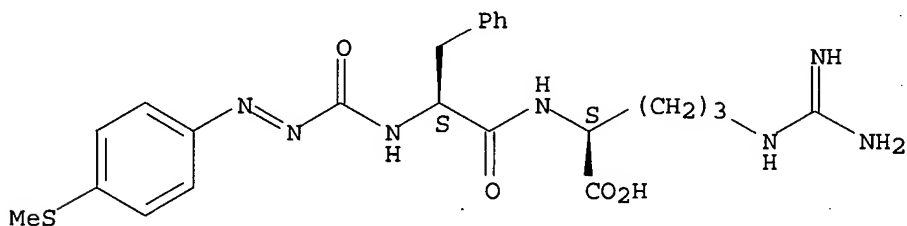
Absolute stereochemistry.
Double bond geometry unknown.



RN 485322-27-8 CAPLUS

CN L-Arginine, N-[[[4-(methythio)phenyl]azo]carbonyl]-L-phenylalanyl- (9CI)
(CA INDEX NAME)

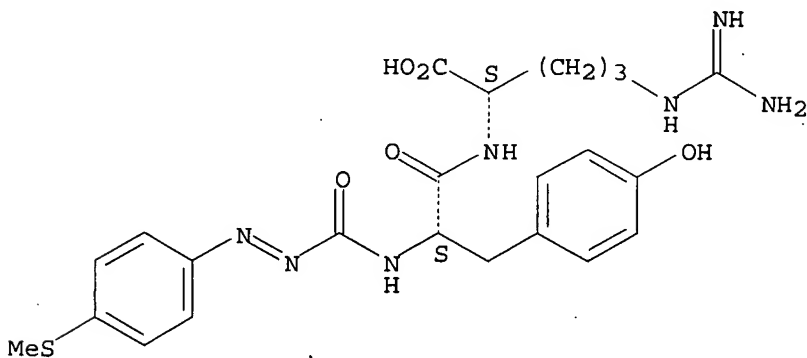
Absolute stereochemistry.
Double bond geometry unknown.



RN 485322-28-9 CAPLUS

CN L-Arginine, N-[[[4-(methythio)phenyl]azo]carbonyl]-L-tyrosyl- (9CI) (CA
INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.



RE.CNT 4

THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> => d que 17 stat

L5 22 SEA FILE=CAPLUS ABB=ON PLU=ON "QUENTIN GERARD"/AU
L7 1 SEA FILE=CAPLUS ABB=ON PLU=ON L5 AND CARBOXYPEPTIDASE

=> d bib abs

L7 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 2003:42291 CAPLUS
 DN 138:85590
 TI Arazoformyl dipeptide chromogenic substrates and their use in
 determination of carboxypeptidase
 IN Quentin, Gerard
 PA Societe Diagnostica-Stago, Fr.
 SO PCT Int. Appl., 100 pp.
 CODEN: PIXXD2
 DT Patent
 LA French
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003004516	A1	20030116	WO 2002-FR2376	20020705
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	FR 2826962	A1	20030110	FR 2001-9030	20010706
	FR 2826962	B1	20031031		
	CA 2450194	A1	20030116	CA 2002-2450194	20020705
	EP 1406920	A1	20040414	EP 2002-762539	20020705
	EP 1406920	B1	20061115		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
	BR 2002010809	A	20040622	BR 2002-10809	20020705
	CN 1524087	A	20040825	CN 2002-813642	20020705
	HU 200400920	A2	20040928	HU 2004-920	20020705
	JP 2004533489	T	20041104	JP 2003-510682	20020705
	TW 252234	B	20060401	TW 2002-91114987	20020705
	AT 345351	T	20061215	AT 2002-762539	20020705
	US 2005107305	A1	20050519	US 2004-751601	20040105
PRAI	FR 2001-9030	A	20010706		
	WO 2002-FR2376	W	20020705		
OS	MARPAT 138:85590				

AB The invention relates to chromogenic compds. and the use thereof for the determination of enzymes of the family of carboxypeptidases N and carboxypeptidases U. The chromogenic compound is an arazoformyl dipeptide A-N:N-CO-AA1-AA2-OH (A = (Me, iPr, MeO, Cl, CF3, OCF3, SCH3 mono- or disubstituted)phenyl, 4-pyridyl, 2-pyrimidyl, quinolinyl, etc.; AA1 = amino acid recognized by carboxypeptidase A; AA2 = basic amino acid). The carboxypeptidase U or N cleaves the peptide bond between AA1 and AA2. Carboxypeptidase A, added to the sample, cleaves AA1 from the arazoformyl moiety which is subsequently converted to an aryl compound, N2 and CO2. So, carboxypeptidase U or N cleavage results in loss of color. Thus, the synthesis of N-(4-methoxyphenylazoformyl)-L-phenylalanylarginine is described. This compound is used in determination of TAFI (thrombin activatable fibrinolysis inhibitor) in blood.

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d his full

(FILE 'HOME' ENTERED AT 15:17:02 ON 09 FEB 2007)

FILE 'REGISTRY' ENTERED AT 15:17:11 ON 09 FEB 2007

L1 STRUCTURE UPLOADED
 D

L2 0 SEA SSS SAM L1

L3 9 SEA SSS FUL L1

FILE 'CAPLUS' ENTERED AT 15:17:43 ON 09 FEB 2007

L4 1 SEA ABB=ON PLU=ON L3

 D QUE L4 STAT

 D BIB ABS HITSTR

 E QUENTIN GERARD/AU

L5 22 SEA ABB=ON PLU=ON "QUENTIN GERARD"/AU

L6 0 SEA ABB=ON PLU=ON L5 AND AZO

L7 1 SEA ABB=ON PLU=ON L5 AND CARBOXYPEPTIDASE

 D QUE L7 STAT

 D BIB ABS

FILE HOME

FILE REGISTRY

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 8 FEB 2007 HIGHEST RN 920112-67-0

DICTIONARY FILE UPDATES: 8 FEB 2007 HIGHEST RN 920112-67-0

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

FILE CAPLUS

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 9 Feb 2007 VOL 146 ISS 8

FILE LAST UPDATED: 8 Feb 2007 (20070208/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> log y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

16.01

188.32

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

-1.56

-1.56

STN INTERNATIONAL LOGOFF AT 15:19:55 ON 09 FEB 2007